

## **Historic, Archive Document**

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# BASIC DATA

## SUPPLEMENTAL MEASUREMENTS

### SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST RECORD	
	Date of Survey	Snow Depth (In.)	Water Cont. (In.)	Water Content (Inches)	
				Last Yr.	Ave. +

#### DECEMBER 15, 1978

Carter Mountain	12/14	15	3.2	1.2	-
East Entrance	12/17	25	5.0	6.3	-
Grassy Lake	12/14	52	12.5	-	-
Lewis Lake Divide	12/14	48	12.0	17.5	-
Marquette Creek	12/14	20	5.2	2.6	-
Sylvan Lake Pillow	12/17	-	8.2	-	-
Sylvan Pass	12/17	23	4.8	8.8	-
Togwotee Pass	12/15	37	7.0	16.5	-
Wolverine	12/14	31	5.9	7.1	-

#### JANUARY 1, 1979

Afton R.S.	12/29	14	2.8	1.8	1.8*
Arizona	12/28	45	9.6	11.4	7.6
Aster Creek	12/27	47	11.8	18.5	12.1
Base Camp	12/28	48	10.9	16.6	8.2
Canyon	1/01	35	8.4	10.8	6.5*
Carter Mountain	1/01	17	3.2	1.1	-
Casper Mountain	1/02	22	4.7	3.5	6.3
CCC Camp	12/29	31	6.0	9.4	4.9
Darby Canyon	1/02	39	10.0	11.1	9.5e
East Entrance	1/02	26	6.7	8.5	4.4
Fisher Creek	12/28	65	17.5	25.2	17.7e
Freds Mountain	1/02	41	9.2	14.6	8.6e
Glade Creek	12/27	45	10.7	14.2	8.8
Grassy Lake	12/27	64	15.8	19.4	14.4
Greys Boundary	12/28	32	6.6	7.6	4.0
Grover Park Divide	12/28	26	5.2	7.8	4.5
Huckleberry Divide	12/28	53	11.9	14.1	8.7
Indian Meadows	1/02	53	14.1	20.6	-
Jackpine Creek	1/02	38	8.8	11.2	-
Lake Camp	1/03	26	5.3	6.1	3.6
Lewis Lake Divide	12/27	62	16.1	26.7	16.5
Lupine Creek	1/04	28	5.6	3.1	4.8
Marquette Creek	1/01	23	5.1	2.2	-
Miles Creek	1/02	26	4.6	7.8	-
Moran	12/29	37	7.8	8.0	5.2
Norris Basin	1/01	28	6.6	8.0	5.0
Northeast Entrance	1/01	24	5.3	7.6	3.7
Old Faithful	12/31	34	7.0	9.6	-
Salt River Summit	12/29	39	8.4	11.2	5.9
Snake River Station	12/27	40	9.7	14.8	8.0
Snow King Mountain	12/28	40	9.2	8.8	6.3
Sylvan Pass	1/02	28	6.8	10.3	5.9
Thumb Divide	12/27	34	8.2	9.9	8.6
Togwotee Pass	12/28	60	14.3	21.4	13.4*
Twenty-One Mile	12/30	29	6.3	10.6	7.8
West Yellowstone	12/30	24	4.8	6.0	5.1
White Mill	12/28	52	14.2	21.0	13.8e
Wolverine	1/02	35	9.2	9.2	-

### SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST RECORD	
	Date of Survey	Snow Depth (In.)	Water Cont. (In.)	Water Content (Inches)	
				Last Yr.	Ave. +

#### MAY 15, 1979

North French Cr. Pillow (S)	5/15	-	30.2	-	26.5
Old Battle Snow Course	5/15	Est.	44.0	-	36.3
Old Battle Pillow (S)	5/15	-	50.5	-	-
Webber Spring Snow Course	5/15	Est.	19.0	-	13.2
Webber Spring Pillow (S)	5/15	Est.	31.0	-	-

#### JUNE 1, 1979

Bald Mountain Snow Course	5/31	Est.	10.5	-	24.2*
Bald Mountain Pillow (S)	5/31	-	13.0	41.4	-
Big Sandy Snow Course	5/31	Est.	0.0	-	-
Big Sandy Pillow (S)	5/31	-	0.0	-	-
Casper Mountain Snow Course	6/01	-	Trace	11.4	-
Casper Mountain Pillow	6/01	-	0.0	9.0	-
Grassy Lake Snow Course	5/30	19	10.2	20.0	16.0*
Grassy Lake Pillow	5/31	-	15.0	-	-
Gros Ventre Summit Course	5/31	Est.	0.0	-	-
Gros Ventre Summit Pillow(S)	5/31	-	0.0	-	-
Hobbs Park Snow Course	5/31	Est.	2.0	-	-
Hobbs Park Pillow (S)	5/31	Est.	4.0	-	-
Lewis Lake Divide Course	5/30	43	23.1	38.9	35.9*
North French Cr. Pillow (S)	5/31	-	18.9	41.7	18.6*
Old Battle Snow Course	5/31	Est.	35.0	-	24.8*
Old Battle Pillow (S)	5/31	-	43.1	26.4	-
Phillips Bench Snow Course	5/31	Est.	16.0	-	-
Phillips Bench Pillow (S)	5/31	-	12.7	36.1	-
Spring Cr. Divide Pillow (S)	5/31	-	1.0	-	-
St. Lawrence R.S. Course	5/31	Est.	2.0	-	-
St. Lawrence R.S. Pillow (S)	5/31	-	2.8	-	-
Togwotee Pass Snow Course	5/31	39	19.1	40.4	31.5*
Togwotee Pass Pillow	5/31	-	16.6	31.2	-
Webber Springs Snow Course	5/31	Est.	10.0	-	3.4*
Webber Springs Pillow (S)	5/31	Est.	21.0	25.0	-

\* Less than 15 years  
e Estimated average

(S) Pillow reading from  
SNOTEL terminal -  
other pillow readings  
are on-site manometer  
readings.

# BASIC DATA

## CORRECTIONS AND ADDITIONS

### SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST RECORD	
	Date of Survey	Snow Depth (In.)	Water Cont. (In.)	Water Content (Inches)	
				Last Yr.	Ave. †
<u>FEBRUARY 1, 1979</u>					
<u>Corrections</u>					
Sawmill Glade	1/31	28	7.9	4.4	6.0
<u>Additions</u>					
Pitchstone Plateau	1/31	118	41.3	N.R.	36.9*
Timber Creek	2/06	16	4.0	0.9	2.2
<u>MARCH 1, 1979</u>					
<u>Corrections</u>					
East Rim Divide	2/26	49	13.7	18.4	12.0
Old Faithful	2/28	53	14.9	18.5	-

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	Date of Survey	Snow Depth (In.)	Water Cont. (In.)	Water Content (Inches)	
				Last Yr.	Ave. †
<u>APRIL 1, 1979</u>					
<u>Corrections</u>					
Cloud Peak Aerial	3/27	33	9.2	10.4	12.4
East Entrance	4/02	30	9.3	11.4	9.6
Medicine Lodge Lakes	4/08	51	13.6	14.1	12.1
<u>MAY 1, 1979</u>					
<u>Corrections</u>					
Pocket Creek	5/07	33	11.3	19.9	14.1
<i>Corrected figure is underlined.</i>					

### PRECIPITATION (Inches) FOR MONTH OF MAY 1979

DRAINAGE BASIN and PRECIPITATION GAGE LOCATION	ELEVATION	CURRENT INFORMATION		PAST RECORD	
		Date of Reading	Precipitation	Last Year	Average †
Bald Mountain (S)	9380	5/31	3.50	-	-
Big Sandy Opening (S)	9080	5/31	1.60	3.75	2.41
Blind Bull Summit (S)	8650	5/30	1.80	-	-
Bone Springs Divide (S)	9350	5/31	3.50	-	-
Burroughs Creek (S)	8750	5/31	3.20	5.06	-
Carter Mountain	7950	5/30	2.80	4.80	2.29*
Casper Mountain	7850	6/01	2.31	10.22	4.16*
Dome Lake (S)	8870	5/31	3.60	-	-
Grassy Lake	7265	5/30	1.91	4.80	4.29
Gros Ventre Summit (S)	8750	5/31	0.90	-	-
Grover Park Divide	7000	5/31	2.20	4.50	2.50*
Hobbs Park (S)	10100	5/31	4.60	-	-
Kelley Ranger Station	8180	6/01	2.70	3.70e	2.31*
Lewis Lake Divide	7850	5/30	1.78	4.20	3.38*
Little Warm (S)	9620	5/31	2.80	-	-
Moran (NWS)	6500	5/31	0.63	2.42	1.81
North French Creek (S)	10125	5/31	3.30	9.50	3.52*
Old Battle (S)	9920	5/31	4.10	6.88	3.43*
Phillips Bench (S)	8200	5/31	2.50	3.75	-
Powder River Pass	9480	5/31	4.00	12.31	2.93
Salt River Summit	7700	5/31	1.19	3.12	1.52
Shell Creek (S)	9580	5/31	4.30	-	-
Snake River Station (NWS)	6920	5/31	1.04	2.89	2.32
Spring Creek Divide (S)	9000	5/31	2.90	-	-
St. Lawrence R.S. (S)	8960	5/29	3.00	12.06	-
Sweetwater Mountain	5860	5/29	1.69	9.00	-
Timber Creek	7950	5/31	3.50	11.40	3.30*
Togwotee Pass	9580	5/30	3.02	7.20	3.52
Warren Peak	6520	5/31	1.25	-	2.34*
Webber Spring (S)	9250	5/31	2.40	5.00	-
(S) SNOTEL terminal reading					
* Less than 15 years					
e Estimated					



UNITED STATES DEPARTMENT OF AGRICULTURE  
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# **WATER SUPPLY OUTLOOK FOR WYOMING**

U.S. DEPARTMENT OF AGRICULTURE \* SOIL CONSERVATION SERVICE

Collaborating with

STATE ENGINEER OF WYOMING



AS OF  
**JUNE 1, 1979**

*"The Conservation of Water begins with the Snow Survey"*